

FIG. 1

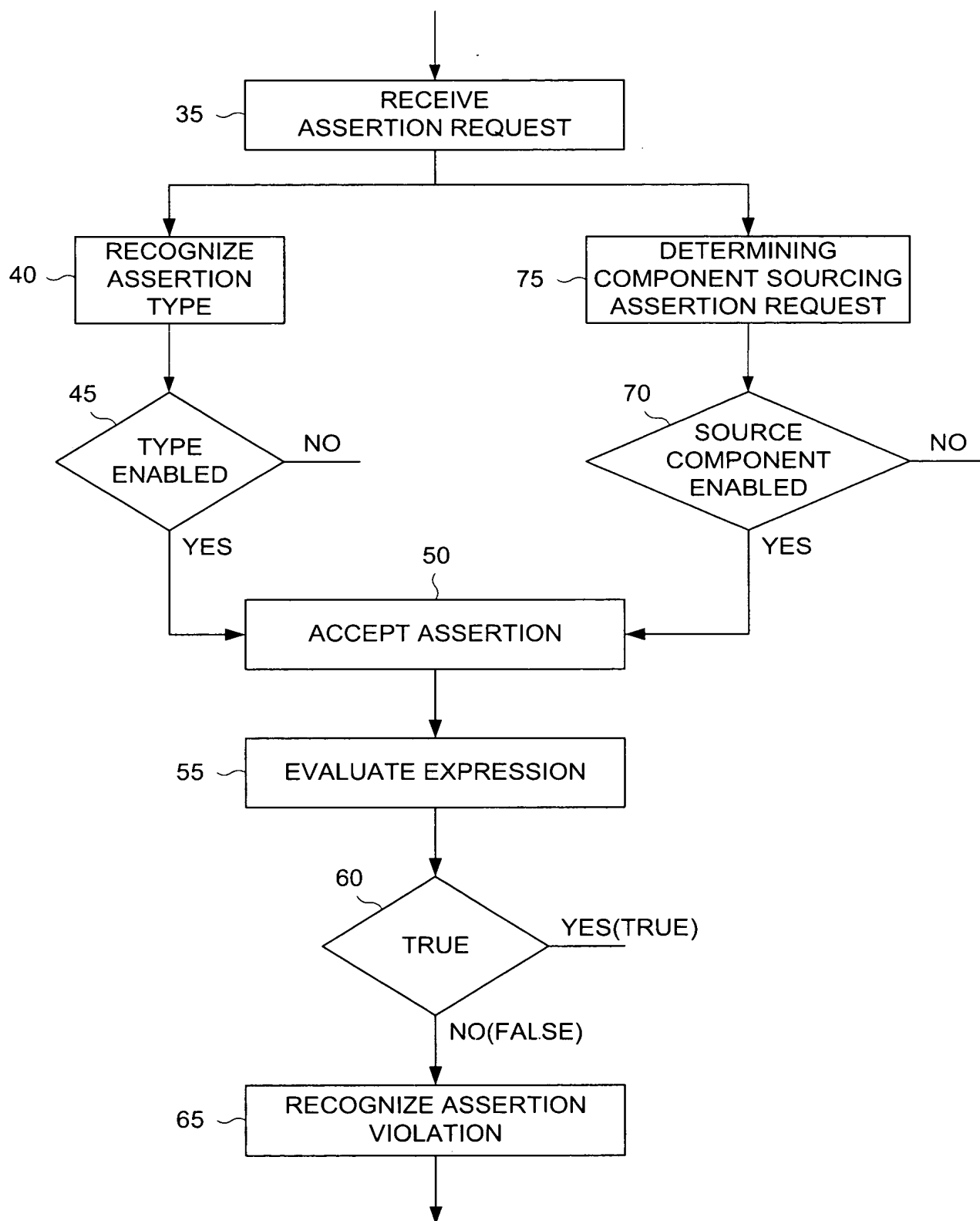


FIG. 2

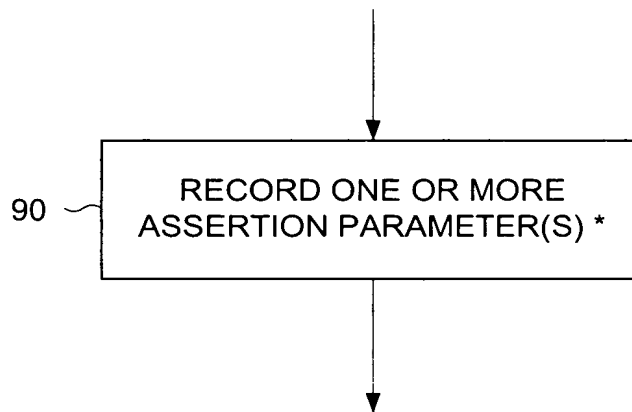
| | | | 85 TYPE 0 | 88 TYPE 1 | 89 TYPE 2 | |
|---------------------|----------------|----|--------------|--------------|--------------|------|
| SOURCE COMPONENT ID | ASSERTION TYPE | | | | | |
| COMPONENT A | | | X | X | X | ~ 70 |
| COMPONENT B | | | X | X | X | ~ 75 |
| COMPONENT C | | | X | X | X | ~ 80 |
| ⋮ | | 82 | | | | |

EACH X IS A "1" WHEN THE
 INTERSECTING COMPONENT/TYPE
 COMBINATION IS ENABLED AND A
 "0" WHEN THE COMBINATION IS
 DISABLED

FIG. 3

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RECORDING ASSERTION



* PARAMETERS:

TYPE OF ASSERTION
SEQUENCE NUMBER OF ASSERTION
TIME THE ASSERTION OCCURRED
ID OF PROCESSOR THAT PRODUCED ASSERTION
ID OF PROCESS THAT PRODUCED ASSERTION
ID OF THREAD THAT PRODUCED ASSERTION
TEXT OF ASSERTION
STACK TRACE
ID OF SOURCE LINE CONTAINING ASSERTION
NAME OF SOURCE FILE CONTAINING CODE THAT
GENERATED ASSERTION

RECORD AT LEAST ONE OF THE ABOVE PARAMETERS

FIG. 4

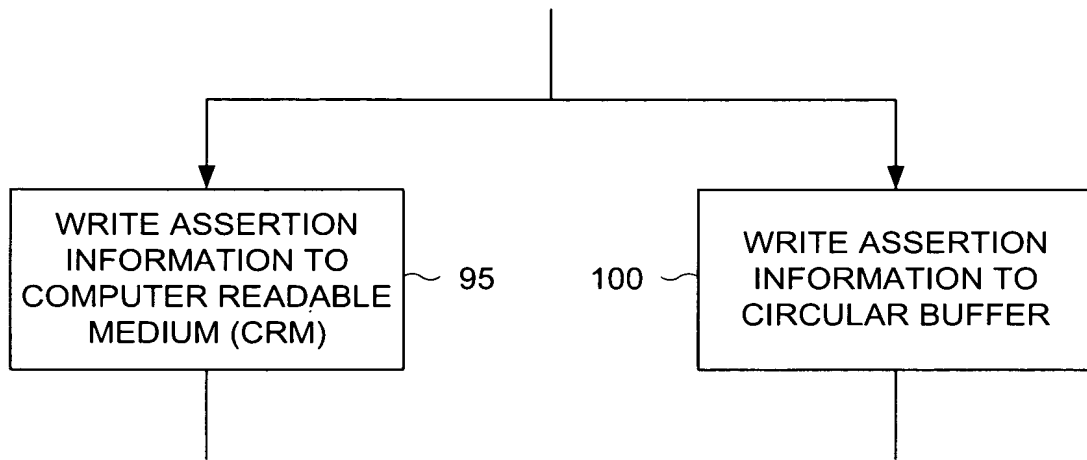


FIG. 5

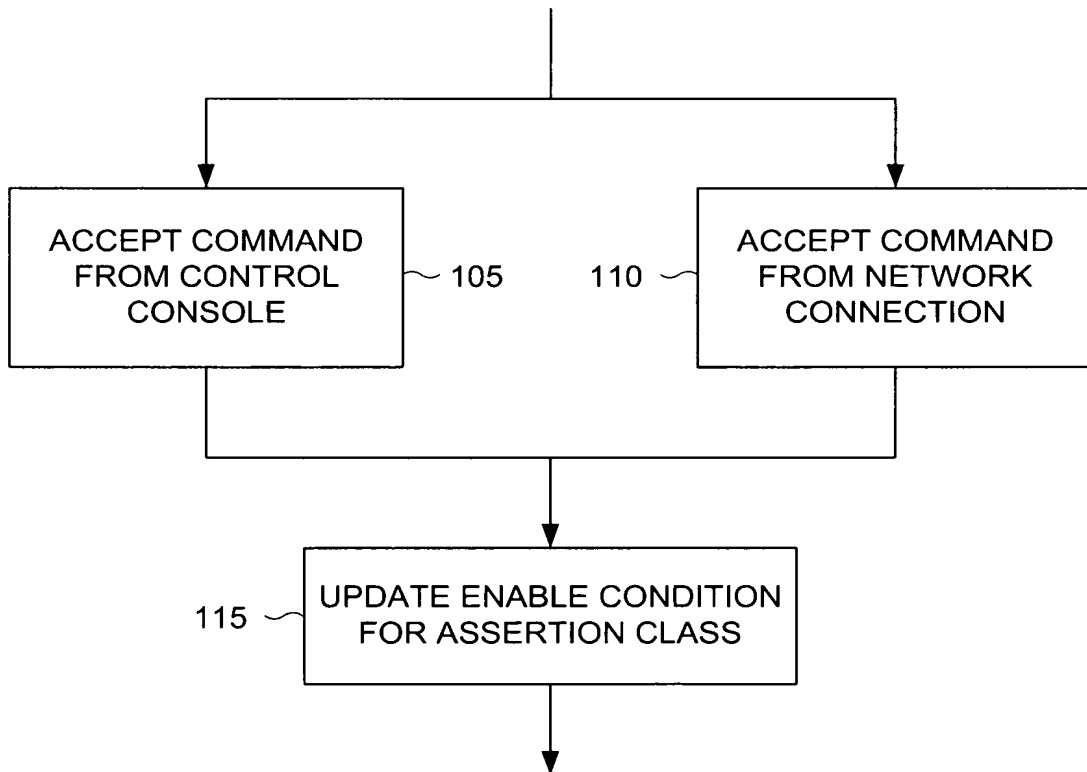
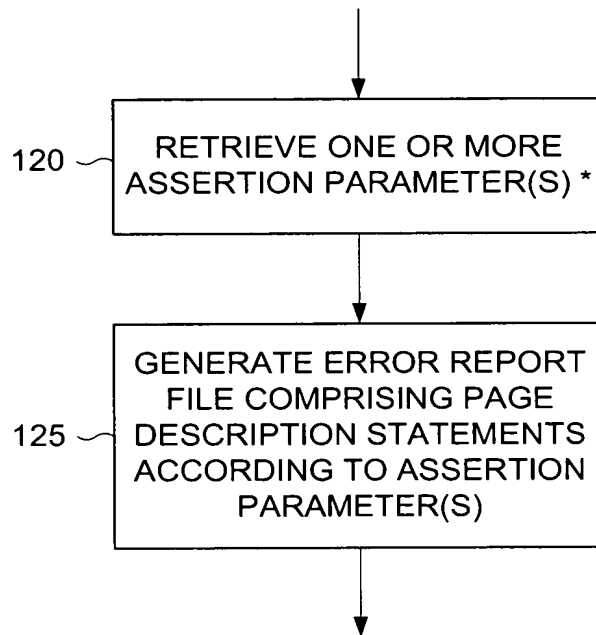


FIG. 6

GENERATING AN ERROR REPORT



* PARAMETERS:

ASSERTION TYPE
SEQUENCE NUMBER OF ASSERTION
TIME THE ASSERTION OCCURRED
ID OF PROCESSOR THAT PRODUCED ASSERTION
ID OF PROCESS THAT PRODUCED ASSERTION
ID OF THREAD THAT PRODUCED ASSERTION
TEXT OF ASSERTION
STACK TRACE
ID OF SOURCE LINE CONTAINING ASSERTION
NAME OF SOURCE FILE CONTAINING CODE THAT GENERATED ASSERTION

RETRIEVE PARAMETER(S) INCLUDING AT LEAST ONE OF THE ABOVE

FIG. 7

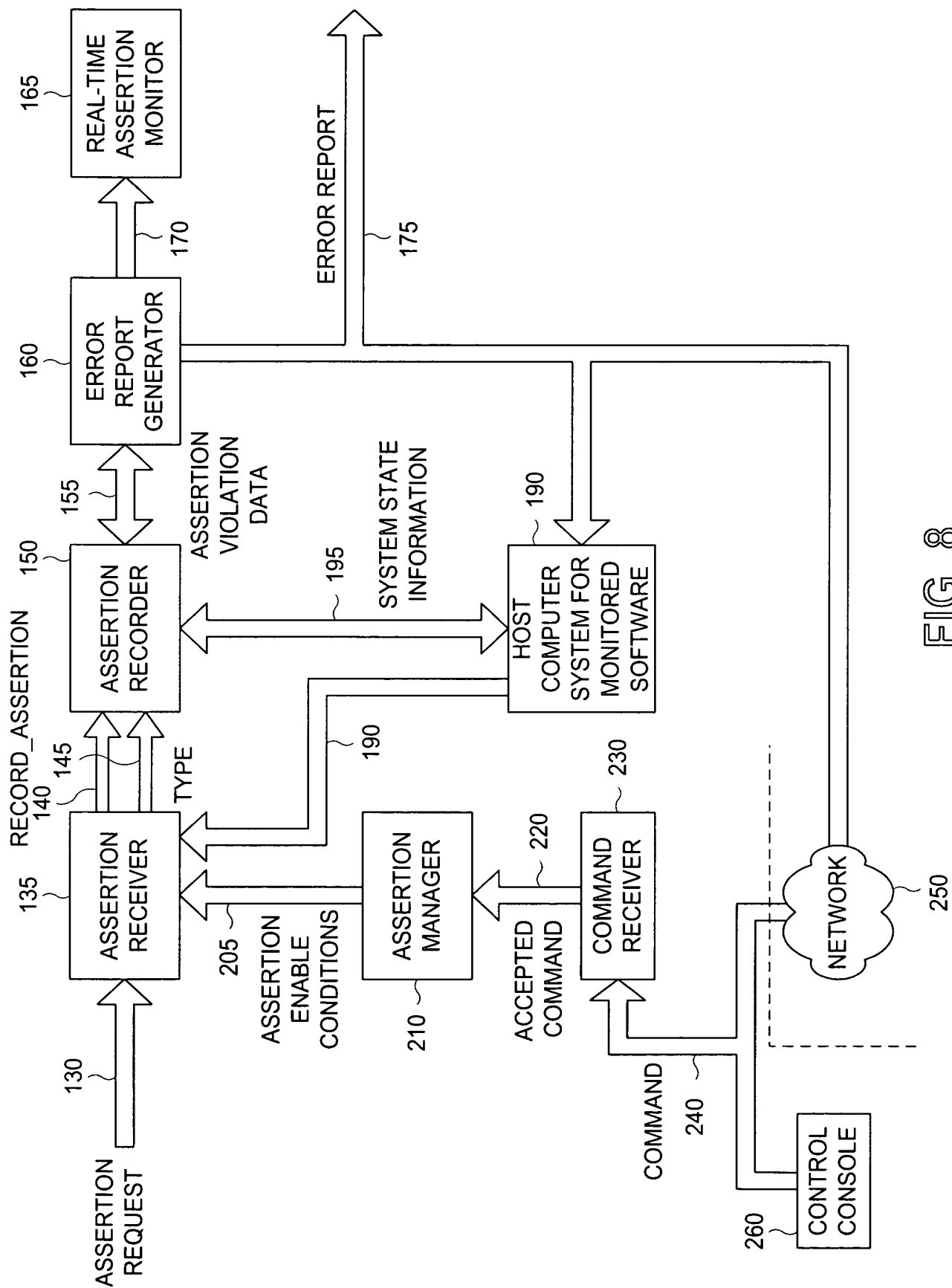


FIG. 8

ASSERTION RECEIVER

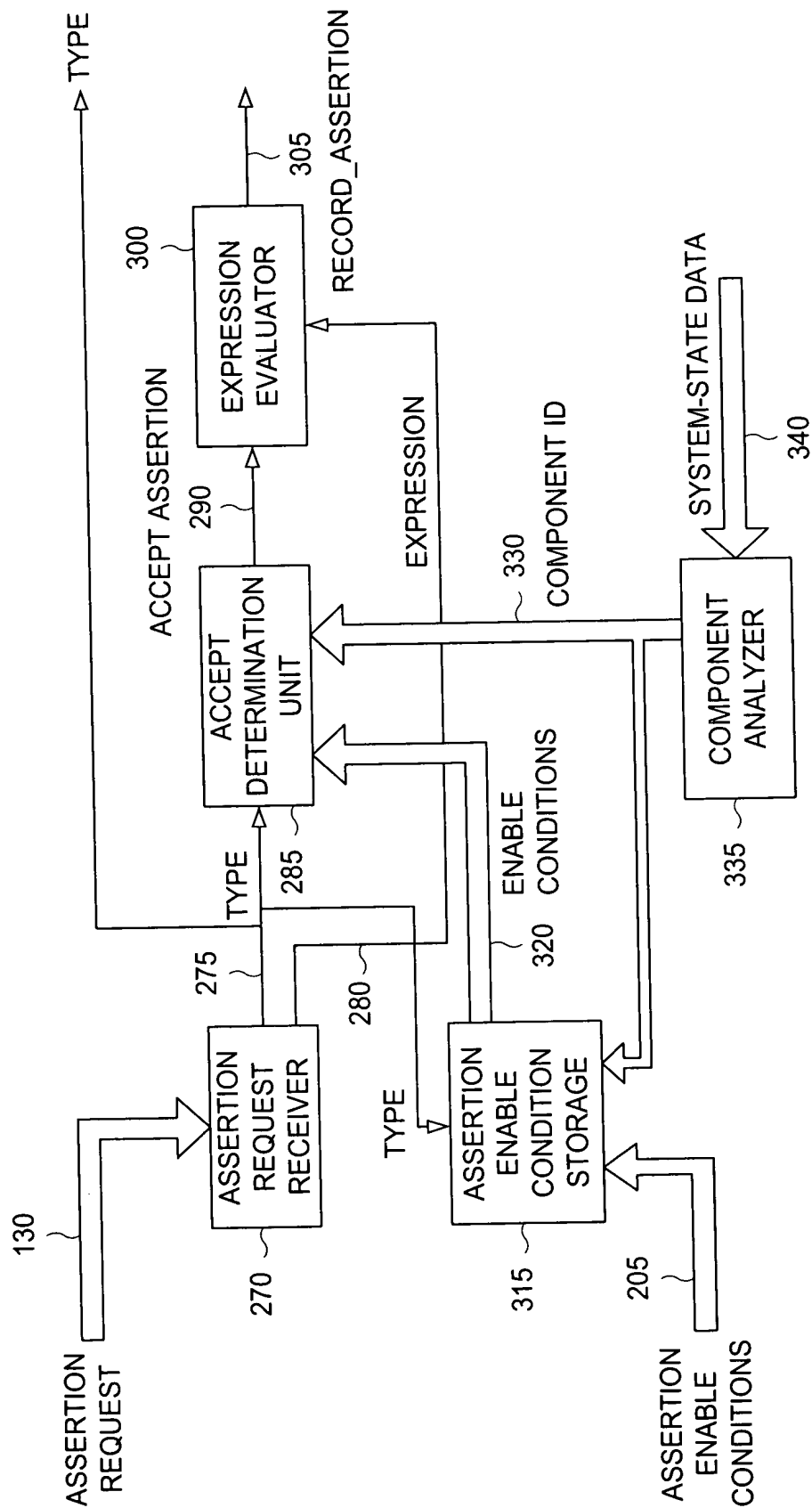


FIG. 9

ASSERTION RECORDER

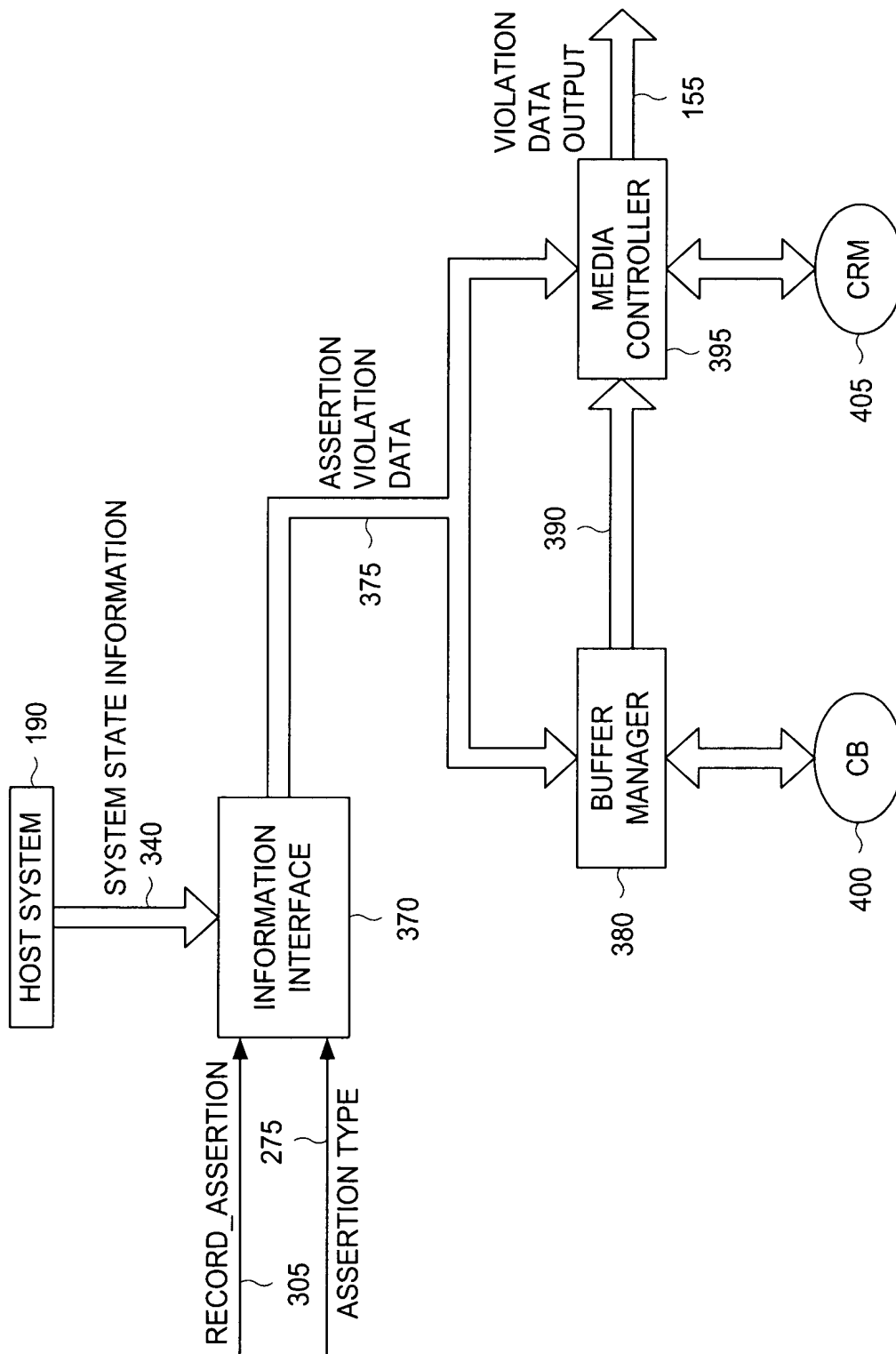


FIG. 10

ERROR REPORT GENERATOR

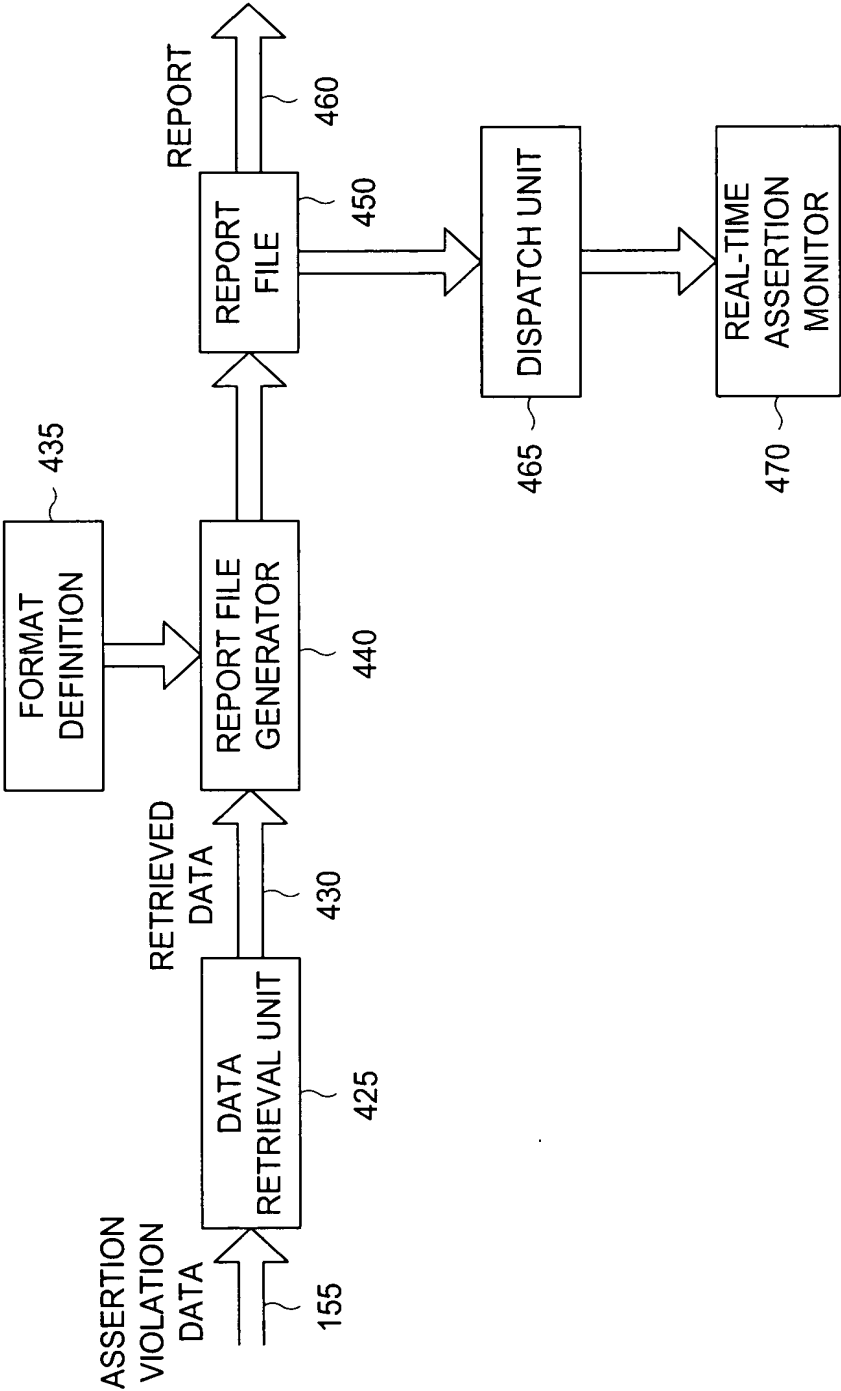


FIG. 11

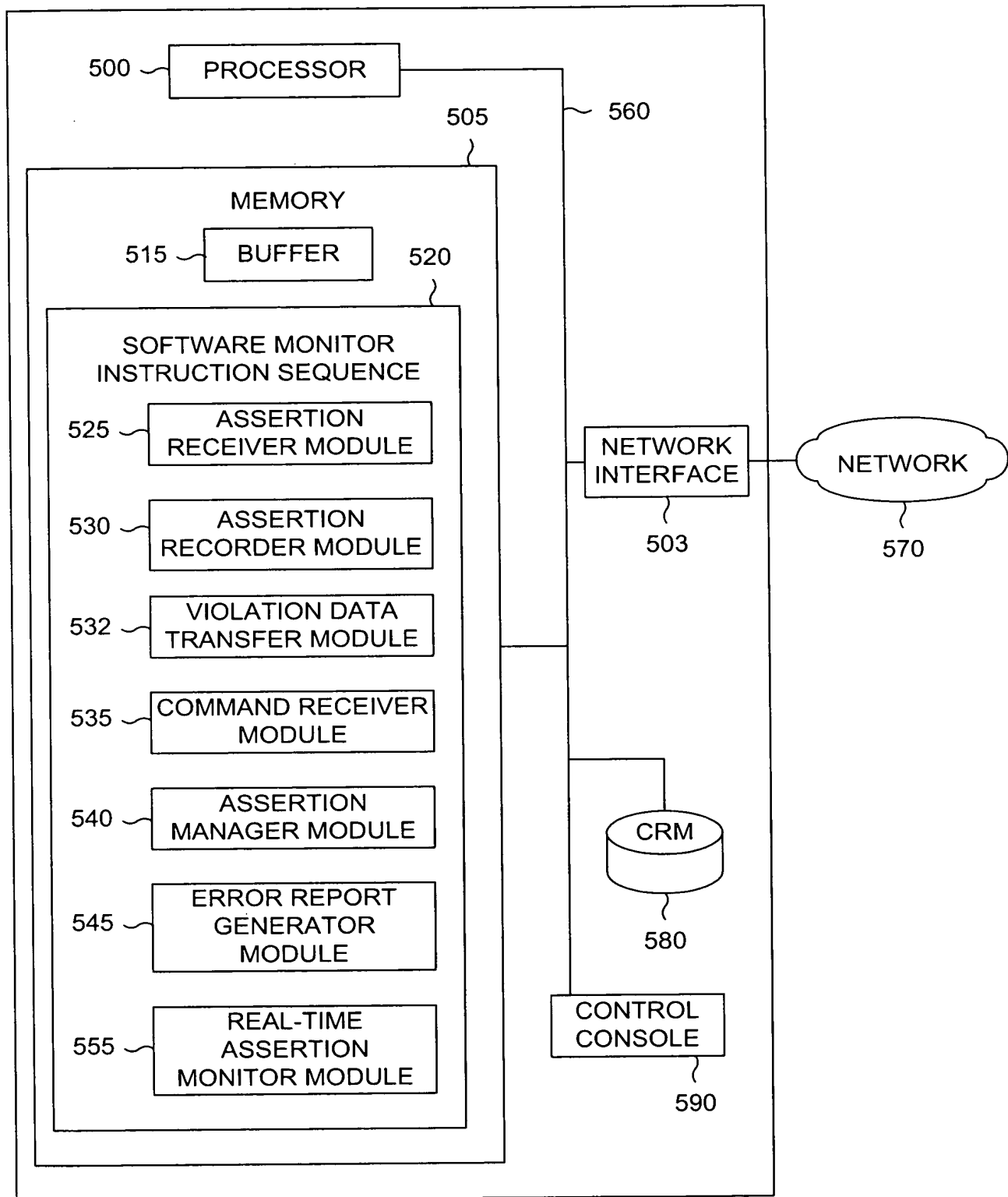


FIG. 12



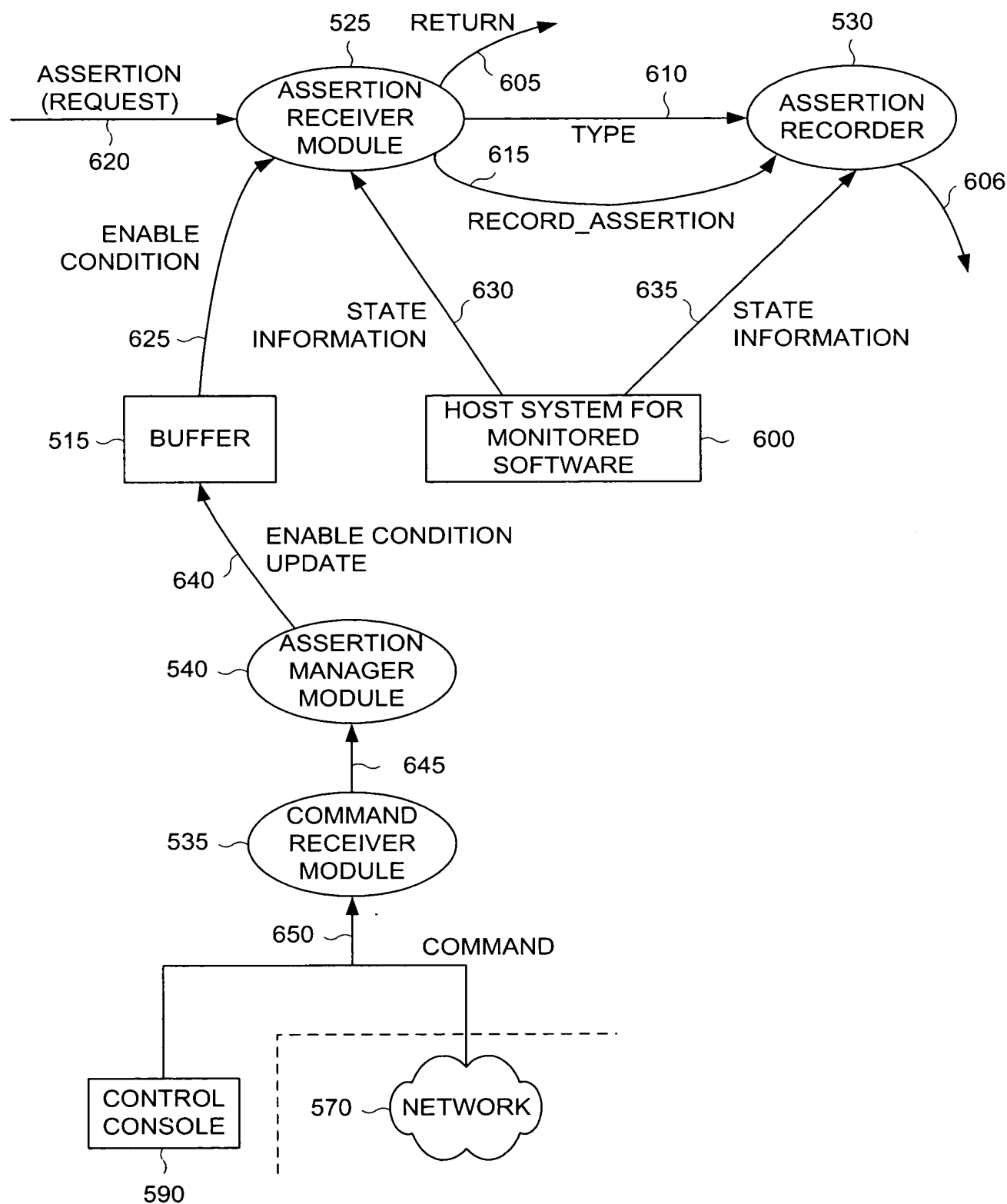


FIG. 13

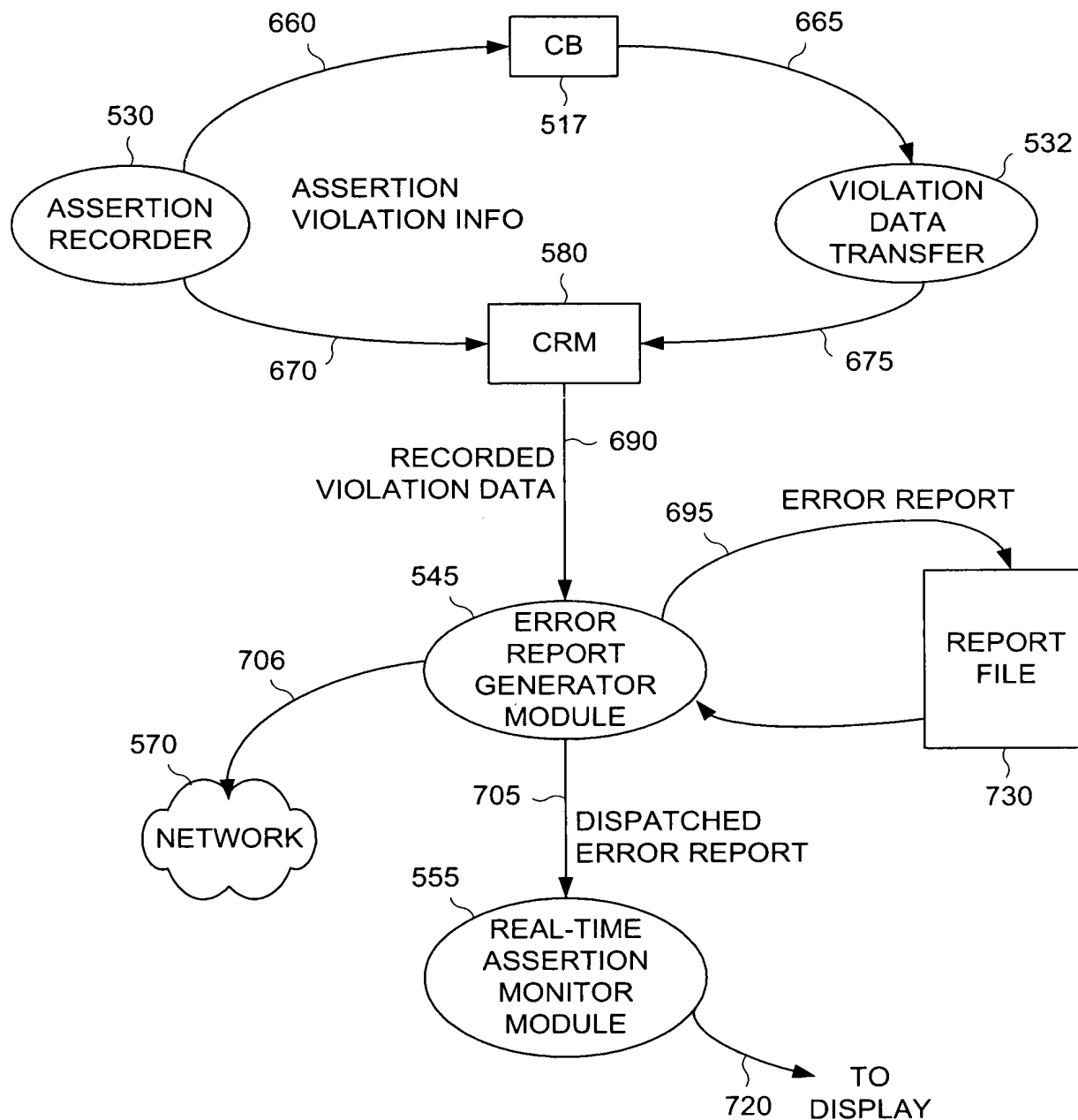


FIG. 14